

Polyram RamLloy PFS301G6 ASA/PBT Alloy, 30% Glass Fiber

Category : Polymer , Thermoplastic , ASA Polymer , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + ASA Blend, Glass Fiber Reinforced

Material Notes:

30% Glass fiber reinforced ASA/PBT alloy for injection molding applications. Information provided by Polyram.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polyram-RamLloy-PFS301G6-ASAPBT-Alloy-30-Glass-Fiber.php

| Physical Properties | Metric | English | Comments |
|-----------------------|---|---|----------|
| Density | 1.48 g/cc | 0.0535 lb/in ³ | ISO 1183 |
| Linear Mold Shrinkage | 0.0016 cm/cm | 0.0016 in/in | ISO 2577 |
| Melt Flow | 15 g/10 min @Load 2.16 kg, Temperature 275 °C | 15 g/10 min @Load 4.76 lb, Temperature 527 °F | ISO 1133 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------------------|----------------------------|----------|
| Tensile Strength, Yield | 130 MPa | 18900 psi | ISO 527 |
| Elongation at Break | 3.0 % | 3.0 % | ISO 527 |
| Tensile Modulus | 9.80 GPa | 1420 ksi | ISO 527 |
| Flexural Strength | 190 MPa | 27600 psi | ISO 178 |
| Flexural Modulus | 7.00 GPa | 1020 ksi | ISO 178 |
| Izod Impact, Notched (ISO) | 10.0 kJ/m ² | 4.76 ft-lb/in ² | ISO 180 |

| Thermal Properties | Metric | English | Comments |
|---|--------------------------|---------------------------|-----------|
| Melting Point | 220 °C | 428 °F | ISO 11357 |
| Deflection Temperature at 0.46 MPa (66 psi) | 205 °C | 401 °F | ISO 75 |
| Deflection Temperature at 1.8 MPa (264 psi) | 170 °C | 338 °F | ISO 75 |
| Flammability, UL94 | HB @Thickness 3.00 mm | HB @Thickness 0.118 in | |
| Flame Spread | 13.3 mm/min | 0.524 in/min | FMVSS302 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| | 3.7 | 3.7 | |

| Dielectric Constant Electrical Properties | Metric @ Frequency 1.00e+6 Hz | English @ Frequency 1.00e+6 Hz | IEC 60250 Comments |
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